

## Hurdles to Proceed Medical Innovations Proposal and Incentive

- Deficits in Large-scale Disease-based Database
  - Creation the database
- Difficulty to Perform Randomized Trials
  - Utilize huge database/Matching Analysis
- Excessive Obsession to Technology
  - Endoscopy
- Educational Cost/Commercial Custom
  - Funding Source
- Cool Presentation for a Novel Device
  - Animation
- International Development
  - AutoCulute

*Defects of Database*

**EVALUATION OF ONESELF**

## AHA Statistical Update

### Heart Disease and Stroke Statistics—2011 Update

A Report From the American Heart Association

WRITING GROUP MEMBERS

#### 米国における心不全患者数の推移および予測(年齢別)

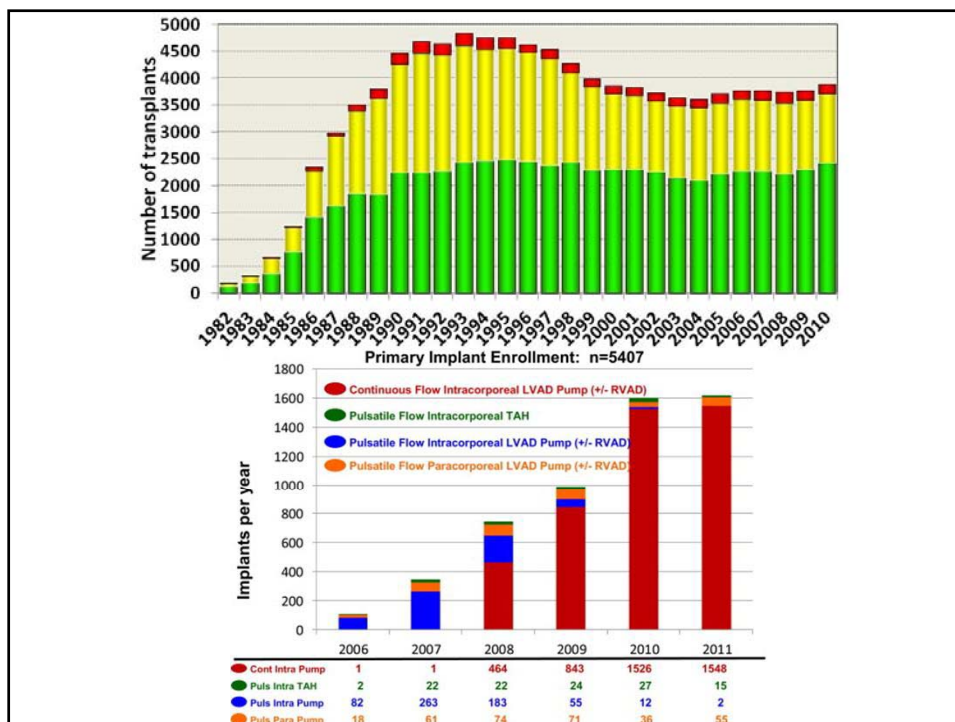
米国における心不全患者数の推移および予測(年齢別)

#### わが国における各心疾患の死亡率の推移

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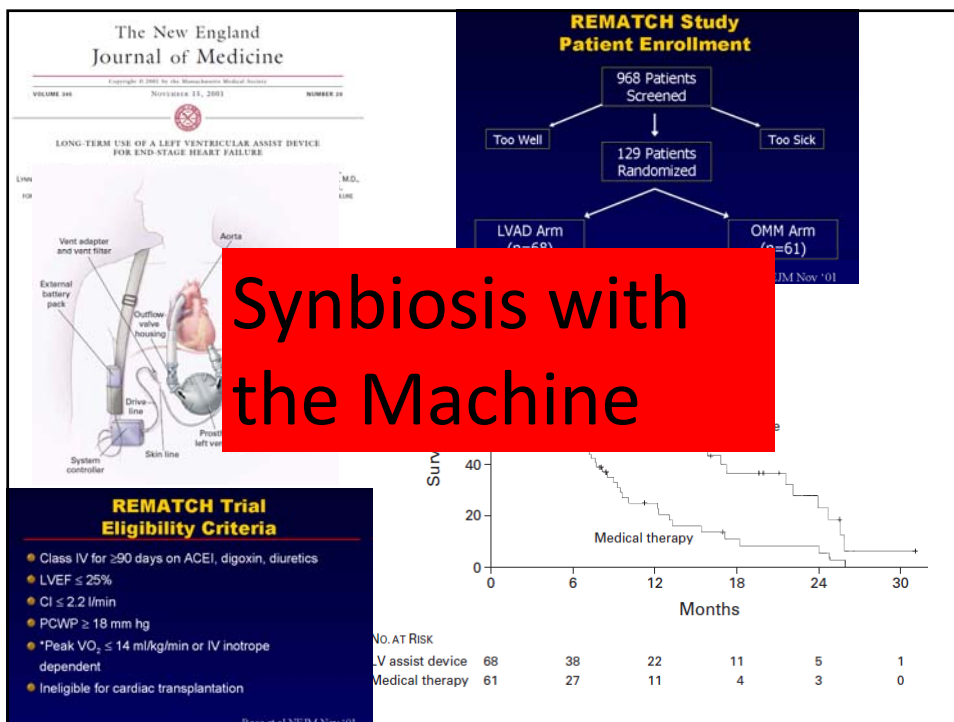
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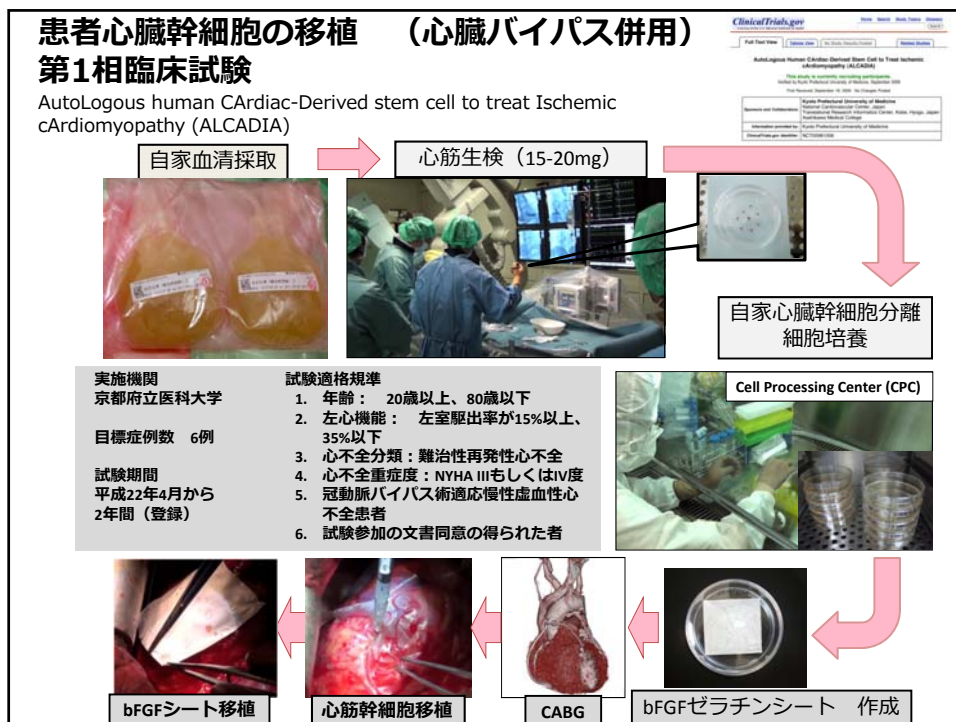


# Difficult for Randomization

## ESTABLISHMENT OF NOVEL CLINICAL STRATEGY

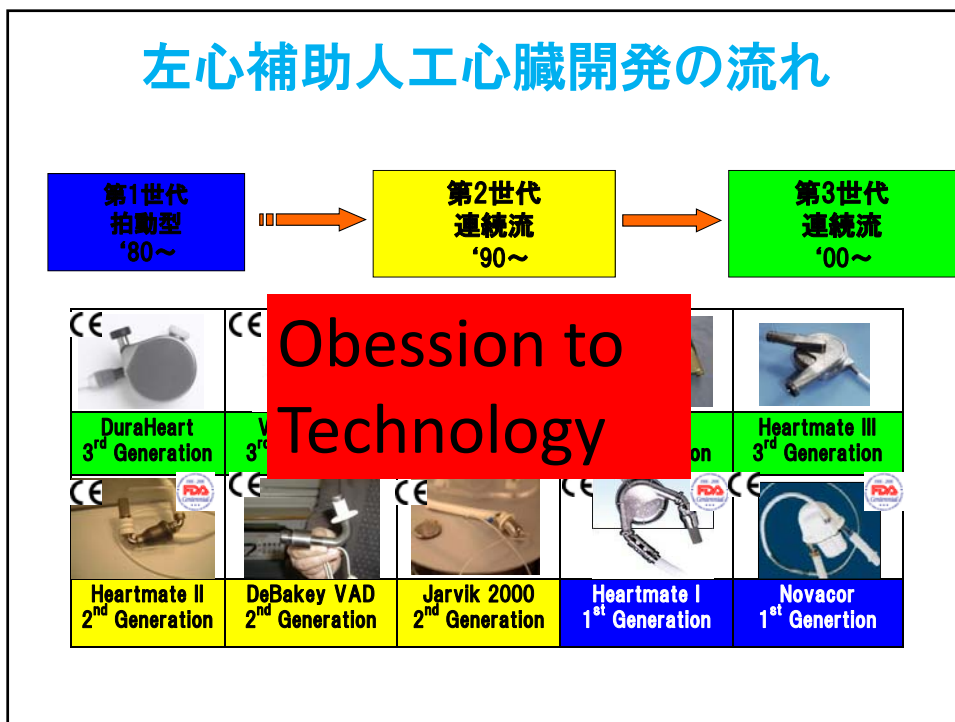
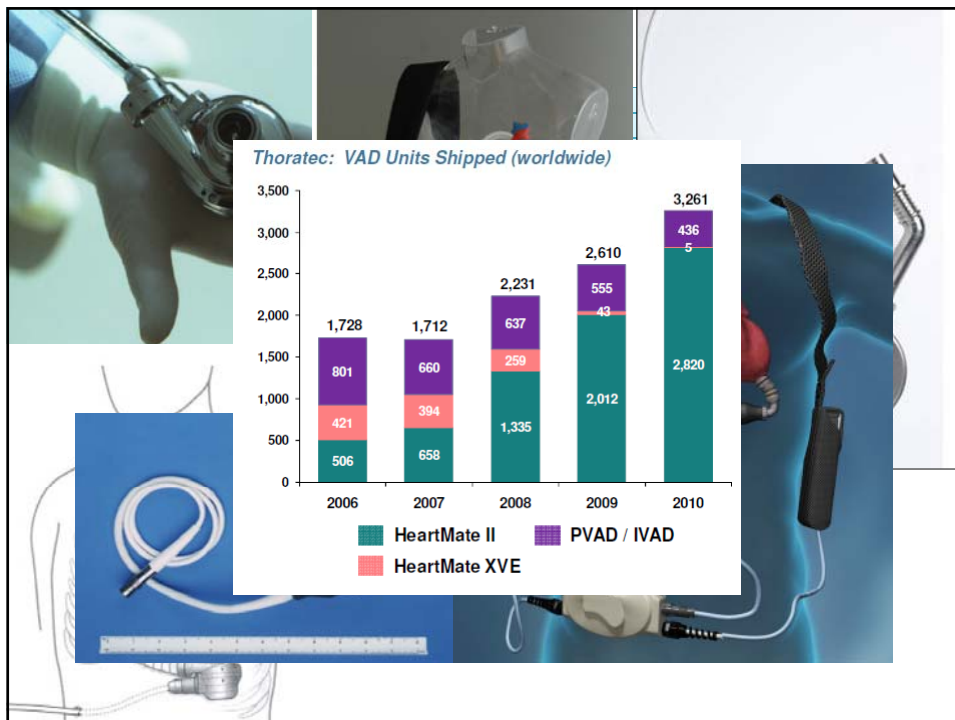


Symbiosis with the Machine

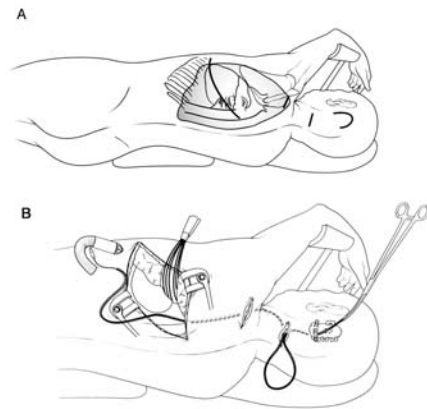


*Obsession to Technology*

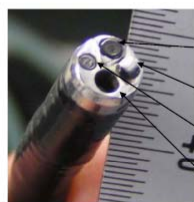
**NESTLE CLOSE TO PATIENTS**



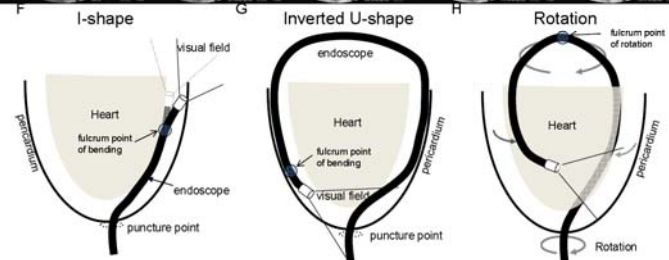
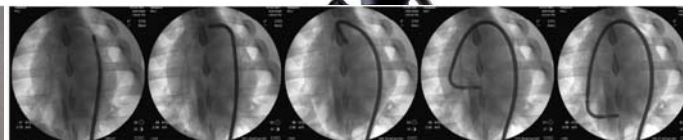
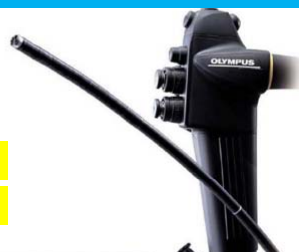
## Skull Pedestal technique



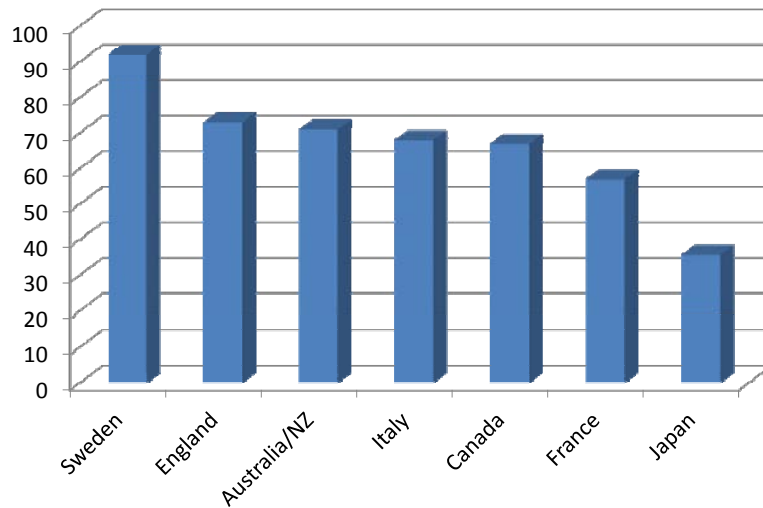
## Transnasal Endoscopy



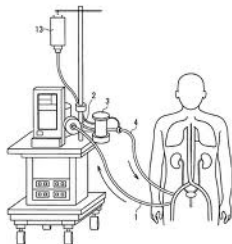
- Object Lens
- Washing Nozel
- Illumination Lens
- Forceps Channel



### ***Survival Rate of Severe Respiratory Failure due to H1N1 Influenzae by Country***




### **Extracorporeal Membrane Oxygenation**



- Influenza Pneumonia in 2009
  - Emasebu (TERUMO, Co); 79%
  - Outlet Cannula < 20Fr: 71%
- Total in Japan: 1094 sets
  - Almost sufficient disposition
- Deficiency
  - Experienced Staff
  - Education
  - Poor Device (No reformed)

*Education*

**DESIRE TO IMPROVE ONESELF  
AMBITION**



**INVOICE**

Invoice Number: 475  
Invoice Date: May 7, 2007  
Page: 1

**Monday, May 14, 2007**

09:00 AM Meet with Mr. Tim Meyers in the lobby of the Hilton – walk to THI  
09:15 AM Welcome from Dr OH Frazier MD  
10:00 AM **Jarvik 2000 Overview** Tim Myers  
11:00 AM **Equipment Overview** Tim Myers  
12:00 LUNCH  
01:00 PM **Equipment Demonstration** Workshop Hernando Mesina  
02:00 PM **Surgical Implant Procedure** Dr Igor Gregoric, MD  
03:00 PM BREAK  
03:30 PM **Patient Selection & Pre-Op Management** Dr Reynolds Delgado, MD  
04:30 PM **Discharge Planning** Tim Myers  
05:00 PM Questions & Answers Tim Myers

**Tuesday, May 15, 2007**

08:00 AM **THI Rounds and Outpatients** Dr OH Frazier, MD  
12:00 PM **Patient Management** Dr Roberta Bogaev, MD  
12:00 LUNCH  
01:00 PM **Pump Preparation in OR** Dr Igor Gregoric, MD  
02:30 PM **Suturing and Coring – Pig Hearts** Dr Igor Gregoric, MD  
04:00 AM Texas Heart Research & Jarvik Experience Dr OH Frazier, MD  
05:00 PM Questions & Answers Dr OH Frazier, MD

**Wednesday, May 16, 2007**

08:00 AM **First Animal Implantation of the Jarvik Pump** Dr OH Frazier MD  
12:00 LUNCH  
01:00 PM **Second Animal Implantation of the Jarvik Pump** Dr Igor Gregoric, MD  
05:00 PM Questions & Answers Dr Igor Gregoric, MD


**Thursday, May 17, 2007**

8:00 AM THI Rounds, Outpatients and **LVAD Surgery** Dr Igor Gregoric, MD  
05:00 PM Wrap-Up

**Friday, May 18, 2007**

8:00 AM THI Rounds, Outpatients and **LVAD Surgery** Dr OH Frazier MD  
05:00 PM Wrap-Up

**\$ 27,100/Person  
(2007/5/07)**



5 Days Educational  
Seminar Agenda





Unpolished Expression of  
Medical Device  
**FEELING COOL/TREMENDOUS**

Heart Ware: HVAD animation

Shrinking Japan  
Population Aging/Ressionion  
**INTERNATIONALIZATION**

